This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Breast cancer	Matrix metalloproteinase 14 (MMP14)	<p>Mouse studies identified an inhibitor of MMP14 dimerization that could help treat breast cancer. In mice, transplantation of breast cancer cells expressing wild-type MMP14 led to tumor formation, whereas transplantation of cells expressing a mutant MMP14 lacking the hemopexin (HPX) domain that is involved in dimerization did not. In the mouse xenograft model, intratumoral injection of an inhibitor of hemopexin-mediated MMP14 dimerization decreased tumor growth compared with injection of vehicle. Ongoing work includes developing more potent inhibitors and testing the molecules in additional disease models.</p> <p>SciBX 5(14); doi:10.1038/scibx.2012.359 Published online April 5, 2012</p>	Unpatented; licensing status not applicable	<p>Remacle, A.G. <i>et al. Cancer Res.</i>; published online March 9, 2012; doi:10.1158/0008-5472.CAN-11-4149 Contact: Alex Y. Strongin, Sanford-Burnham Medical Research Institute, La Jolla, Calif. e-mail: strongin@burnham.org</p>